

## ABSTRACT

A light distribution controller for discharge lamps having improved lamp efficiency while maintaining ~~a~~its specific lighting posture ~~is obtained~~. The controller includes a~~There are provided a~~ lighting source (1) in which electric discharge is caused between opposed electrodes (2, 4) to radiate light, a reflecting mirror (5) for reflecting a flux of light radiated from the light source (1) to control the light flux angle, and travel path changing mirror (7) for changing the travel path of the flux of light whose divergence is controlled by the reflecting mirror (5). The light source (1) is arranged such that the axial line connecting the electrodes (2, 4) of the light source (1) or a reference line used for another posture specification is substantially aligned with the center line of the flux of light controlled by the reflecting mirror (5). The path changing mirror (7) can change the direction in which the controlled flux of light travels to a desired direction with respect to the center line of the controlled flux of light.



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A light distribution controller for discharge lamps having improved lamp efficiency while maintaining a specific lighting posture. The controller includes a lighting source (1) in which electric discharge is caused between opposed electrodes (2, 4) to radiate light, a reflecting mirror (5) for reflecting a flux of light radiated from the light source (1) to control the light flux angle, and travel path changing mirror (7) for changing the travel path of the flux of light whose divergence is controlled by the reflecting mirror (5). The light source (1) is arranged such that the axial line connecting the electrodes (2, 4) of the light source (1) or a reference line used for another posture specification is substantially aligned with the center line of the flux of light controlled by the reflecting mirror (5). The path changing mirror (7) can change the direction in which the controlled flux of light travels to a desired direction with respect to the center line of the controlled flux of light.